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Replacement Abstract

HYDRAULIC CONTROL SYSTEM FOR A VARIABLE COMPRESSION
RATIO INTERNAL COMBUSTION ENGINE

ABSTRACT

~~This patent application
relates to Provisional Patent
Application Confirmation No.
9946, Application No.
60/393,786, Filing Date
07/08/2002.~~

~~A moveable crankshaft assembly that
is positioned by an hydraulic
positioning device hydraulically
connected to a constant pressure
hydraulic reservoir. The hydraulic
connections between the reservoir and
the positioning device are equipped with
pressure relief valves, or equivalent
substitutes, connected in parallel to
pass fluid in either direction to
maintain the same pressure in the
hydraulic positioning device as in the
reservoir. A coupling is installed
between the crankshaft and the power
train that is capable of accommodating
movement.~~

~~Inventor: Joseph E. Casterline
4839 East Rail N Road
Tucson, Arizona 85739
USA~~

A movable crankshaft assembly is positioned by a

positioning device hydraulically connected to a constant pressure hydraulic reservoir. The hydraulic connection between the reservoir and the positioning device is equipped with pressure relief valves connected in parallel to pass fluid in either direction to maintain the same pressure in the positioning device as in the reservoir.